OMNI Environmental Systems, Inc.

OMNI RSF Operation and Maintenance Inspection Checklist

A. Installation & Service Information

Facility Street Address _____ Date of Service _____

City _____ Operator/O&M Firm _____

System Startup Date _____ Weather Conditions _____

B. Septic Tank

Sludge Pumping Required: Yes ☐ No ☐ ☐ Sludge Depth: ☐ Scum Depth:

Effluent tee filter: Yes ☐ No ☐ If yes, inspect ☐ & clean at least yearly ☐

If the sludge layer is within 12" of the outlet invert, recommend that the homeowner have the septic tank pumped, note the approximate scum layer thickness as well. Also, inquire if the homeowner has a pumping schedule established with a licensed septage hauler, if not recommend a two to four year pumping schedule depending on how heavily the system is used.

C. Recirculation Tank

☐ Check if sludge accumulating Pumping required: Yes ☐ No ☐

Odor problems: Yes ☐ No ☐ _____ If yes, description

Effluent tee filter: Yes ☐ No ☐ If yes, inspect ☐ & clean at least yearly ☐

If the sludge layer is greater than 4" request that the homeowner pump out the recirculation tank in order to prevent clogging of the filter modules. Note the characteristics of the effluent coming out of the manifold this may indicate that the filter bed may need servicing.

D. Equalization Tank (if installed)

Sludge Pumping Required: Yes ☐ No ☐ ☐ Sludge Depth: ☐ Scum Depth:

Effluent tee filter: Yes ☐ No ☐ If yes, inspect ☐ & clean at least yearly ☐

Same inspection criteria as septic tank:

E. Pump Chamber / Vault (if Installed)

☐ Pump Inspections (all units) _____ If problems, describe

☐ Float switches _____ Check all switches for operation

Make Sure the pump is operational by pulling up the float switch; if the pump is not operational **immediate** corrective actions need to be taken.

F. Pumps, Switches, Floats, Alarm System

☐ Pump Inspections (all units)

If problems, describe

☐ Test pump alternator, or record hours

Hours of operation

☐ Float switches

Check all switches for operation

☐ Test alarm

If non-functioning, corrective action(s)

Make sure pump(s), Float(s) and audible alarm(s) are functional, if not make a note so that corrective actions can be made.

G. Filter Modules ("Sand Filters")

☐ Inspect for ponding Ponding Present: Yes ☐ No ☐

☐ Clean bed: Yes ☐ No ☐

☐ Distribution pipes Flush: Yes ☐ No ☐ Brush: Yes ☐ No ☐

☐ Any obstruction of airflow to filter modules: Yes ☐ No ☐ If Yes, explain below (i.e. snow, dirt)

To inspect the condition of the filter modules remove the mulch layer at one corner of the filter module area, then lift the filter fabric so that the media can be inspected through the end of the contactor. The media should have a thin biomass layer growing on it and should have a brownish shaggy coloration. If the surface of the filter module area appears to be clogged, or the biomass layer is too think it is suggested to completely expose the filter modules, and rake the filter beds thoroughly, then wash the filter beds down with a garden hose (with a pressure nozzle on it). Then Recover the filter beds as they were found.

H. Sample Collection

Yes ☐ No ☐

If yes: ☐BOD ☐TSS ☐pH ☐TN ☐Other

All samples are to be taken from the manifold located in the recirculation tank, and are to be stored in sterile, laboratory supplied containers. In order to prevent any cross-contamination from a previous sample rinse the dip cup into the effluent stream at the manifold three times so that a representative sample can be obtained. Make sure to wear proper safety equipment while pulling samples (i.e. rubber gloves).

System Notes: